KTH courses for Spring 2018 in Electrical and Computer Engineering:

1. **Adaptive Signal Processing (EQ2401)**
   
   
   Preapproved: ECE 4XX, 7.5 ECTS = 3.75 hours
   
   Period: 3

2. **Advanced Digital Communications (EQ2411)**
   
   
   Preapproved: ECE 4XX, 7.5 ECTS = 3.75 hours
   
   Period: 3

   
   
   Preapproved: ECE 4XX, 7.5 ECTS = 4 hours
   
   Period: 3

4. **Modulation of Power Electronic Converters (EJ2311)**
   
   
   Preapproved: ECE 4XX, 6 ECTS = 3 hours
   
   Recommended pre-requisites: ECE 464
   
   Period: 3

5. **Electric Traction (EJ2400)**
   
   
   Preapproved: ECE 4XX, 6 ECTS = 3 hours
   
   Recommended pre-requisites: ECE 330, ECE 464
   
   Period: 4

6. **Electric Transportation (EJ2440)**
   
   
   Preapproved: ECE 4XX, 6 ECTS = 3 hours
   
   Recommended pre-requisites: ECE 330, ECE 464
   
   Period: 4

7. **Electromagnetic Processes in Dispersive Media (ED2210)**
   
   
   Preapproved: ECE 4XX, 6 ECTS = 3 hours
   
   Period: 3

8. **Electrotechnical Design (EI2440)**
   
   
   Preapproved: ECE 4XX, 7.5 ECTS = 3.75 hours
   
   Period: 3

9. **Electricity Market Analysis (EG2210)**
   
   
   Preapproved: ECE 4XX, 7.5 ECTS = 3.75 hours
   
   Period: 3

10. **Power Generation, Environment and Markets (EG2220)**
    
    
    Preapproved: ECE 4XX, 7.5 ECTS = 3.75 hours
    
    Period: 4

11. **Energy and Fusion Research (ED2200)**
    
    
    Preapproved: ECE 4XX, 6 ECTS = 3 hours
12. Hybrid and Embedded Control Systems (EL2450)
https://www.kth.se/student/kurser/kurs/EL2450?l=en
Preapproved: ECE4XX, 7.5 ECTS = 3.75 hours
Period: 3

13. High-voltage Engineering (EI2430)
https://www.kth.se/student/kurser/kurs/EI2430?l=en
Preapproved: ECE4XX, 7.5 ECTS = 3.75 hours
Recommended pre-requisites: ECE 464
Period: 4

14. IT Management with Enterprise Architecture (EH2770)
https://www.kth.se/student/kurser/kurs/EH2770?l=en
Preapproved: ECE4XX, 7.5 ECTS = 3.75 hours
Recommended pre-requisites: ECE 464
Period: 4

Preapproved: ECE4XX, 7.5 ECTS = 3.75 hours
Recommended pre-requisites: ECE 313
Period: 3

16. Microsystem Technology (EK2350)
https://www.kth.se/student/kurser/kurs/EK2350?l=en
Preapproved: ECE4XX, 7.5 ECTS = 3.75 hours
Recommended pre-requisites: ECE 340
Period: 4

17. Control in Electrical Energy Conversion (EJ2230)
Preapproved: ECE4XX, 6 ECTS = 3 hours
Recommended pre-requisites: ECE 464
Period: 4

18. Control Theory and Practice, Advanced Course (EL2520)
https://www.kth.se/student/kurser/kurs/EL2520?l=en
Preapproved: ECE4XX, 7.5 ECTS = 3.75 hours
Recommended pre-requisites: ECE 486
Period: 4

19. Applied Antenna Theory (EI2400)
https://www.kth.se/student/kurser/kurs/EI2400?l=en
Preapproved: ECE4XX, 7.5 ECTS = 3.75 hours
Period: 4

20. Computer Systems Architecture (IS2202)
https://www.kth.se/student/kurser/kurs/IS2202?l=en
Preapproved: ECE4XX, 7.5 ECTS = 3.75 hours
Period: 4

21. Computer Hardware Engineering (IS1200)
https://www.kth.se/student/kurser/kurs/IS1200?l=en
Preapproved: ECE4XX 7.5 ECTS = 3.75 hours
Period: 3

22. Design of Nano Semiconductor Devices (IH2657)
https://www.kth.se/student/kurser/kurs/IH2657?l=en
Preapproved: ECE4XX, 7.5 ECTS = 3.75 hours
Period: 4

23. **Photonics (SK2812)**
   

   Preapproved: ECE4XX, 7.5 ECTS = 3.75 hours
   Period: 4